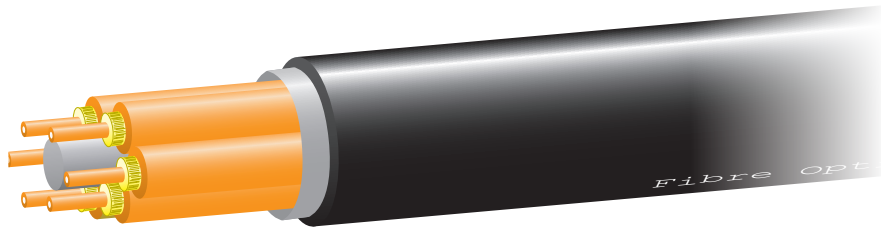


MILITARY BREAKOUT SERIES FIBRE OPTIC CABLE



PRODUCT DESCRIPTION

Military tactical breakout series cable is the ideal cable solution for applications where the ability to deploy, retrieve and redeploy fibre cable is essential. Mil-tac cable is a flexible and extremely rugged cable design with excellent mechanical and environmental protection characteristics. The 2.0mm jacketed subcables allow for convenient termination and are perfectly suited for preterminated harsh environment connectorisation.

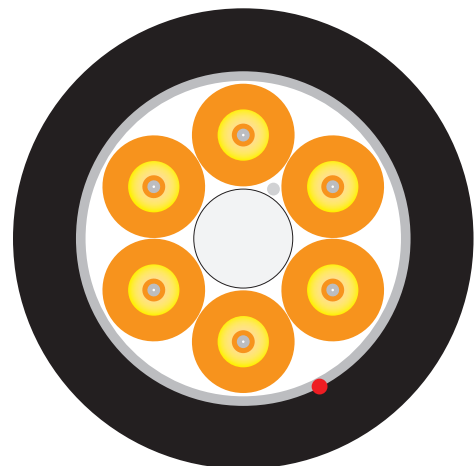
The quality and performance of the cable makes it perfectly suited to military, broadcast, port and rail fibre networks. Available in singlemode, OM1, OM3 & OM4 multimode fibre.

PRODUCT FEATURES

- Flame retardant, halogen free thermoplastic polyurethane jacket
- Perfectly suited to deployable and harsh environment installations
- High performance components and construction
- Complies with relevant ITU & IEC standards & specifications
- Excellent mechanical strength characteristics
- Aramid yarn strength member and FRP central strength member
- 2.0mm subcables eliminate the need for costly and time consuming fanout kits or pigtail splices
- Cable materials are indoor/outdoor – UV, water and fungus resistant
- Wide operating temperature range of -20°C to +70°C & excellent installation temperature range of -10°C to +60°C
- Warranty 25 Years*

APPLICATIONS

- Suitable for indoor/outdoor confined spaces
- Military & defence network deployment
- Broadcast HD Tv cameras
- Minesite and oil rig networks
- Port and rail temporary connections



GUARANTEE/WARRANTY

Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. This Serveredge product comes with a 2 year warranty standalone or a 25 years warranty as part of a certified structured cabling project. Subject to Serveredge Terms and Conditions*

FIBRE PERFORMANCE

Fibre type	OM1	OM3 (G651)	OM4 (G651)	SM (G652.D)
Attenuation at 850nm (dB/km)	≤3.5	≤3.0	≤3.0	n/a
Attenuation at 1300/1310nm (dB/km)	≤1.0	≤1.0	≤1.0	≤0.40
Attenuation at 1550nm (dB/km)	n/a	n/a	n/a	≤0.30
Bandwidth at 850nm (MHz.km)	≥200	≥1500	≥3500	n/a
Bandwidth at 1300nm (MHz.km)	≥600	≥500	≥500	n/a

TECHNICAL SPECIFICATIONS

Temperature cycle (Δ dB)	20 to -20 to 70 to -20 to 70 to 20 12 hours (° C)	≤0.2	≤0.2	(IEC 60794-1-2-F1)
Tensile attenuation (Δ dB)	Installation & operational loads	≤0.2	≤0.2	(IEC 60794-1-2-E1)
Bending attenuation (Δ dB)	6 turns, r 15xD	≤0.2	≤0.2	(IEC 60794-1-2-E11A)
Torsion attenuation (Δ dB)	10 cycles (± 180°) 50 N, 2m	≤0.2	≤0.2	(IEC 60794-1-2-E7)
Crush attenuation (Δ dB)	1400 N/100mm, 5 min	≤0.5 (during) ≤0.2 (after)	≤1.0 (during) ≤0.5 (after)	(IEC 60794-1-2-E3)
Impact attenuation (Δ dB)	15J, 3 points, 1 impact	≤0.2	≤0.2	(IEC 60794-1-2-E4)
Water penetration	1m head, 3m cable, 24 hours	≥500	≥500	(IEC 60794-1-2-F5)

CABLE CHARACTERISTICS

Fibre Count	Nominal diameter (mm)	Nominal weight (kg/km)	Installation tensile load (N)	Operational tensile load (N)	Min. bend radius (cm)
2	7.8	46	800	400	11.0
4	7.8	44	800	400	11.0
6	8.8	60	100	500	13.0
8	10.0	80	1200	600	15.0
12	12.5	130	1500	750	18.0
24	13.0	136	1700	850	19.0